PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

MARWAR STATE

FOR

1898-99

Introduction.

- 1. Siwana Forests, 40 square miles in area, were taken over and demarcated.
- 2. The formation of Fuel and Fodder Reserves in Khalsa villages was steadily carried on and 1310 acres in Sojat and Pali Parganas were taken up.
- 3. Lac Industry—Remembering the similarity of climatic conditions it was decided that larvæ of lac-insect (cocus lacca) be obtained from Sindh and planted on to suitable trees in Marwar. The year proved too dry and the experiment could not be undertaken. It will be instituted as soon as more favourable conditions offer themselves.
- 4. Arrangements are in progress for conserving Jalore and Jaswantpura forests and they will be demarcated as soon as the State stands clearhanded of the present famine.

CHAPTER I.

Areas and Boundaries.

5. The area of Khalsa forests had an increase of 6 and that of Jagir 34 square miles by the conservation of Siwana forests. Thus the total area in charge of the Forest Department stood as follows, at the close of the year:—

Khalsa forests ... 265.11 square miles

Fuel and fodder Reserves ... 7.70

Jagir forests ... 70.37

Total ... 343.18

6. The replacement of kacha boundary pillars by masonry ones was continued. 114 pillars more in Khalsa and 20 in Jagir forests were put in at a cost of Rs. 174/- and Rs. 38/- respectively. The work could not be pushed on quite briskly for want of water near the boundary.

7. All the kacha pillars were white-washed and kept in good order.

CHAPTER II.

Surveying, Working Plans, and Plan of operations.

- 8. As referred to in para 7 of the last year's report, Boglan, Gangaro-gudho and Karmal forests were further surveyed and plotted, along with Lampi and Kot from last year's field work, on to paper by Forest Ranger Rakheshur. Ranger Chatur Bhuj prepared maps of Somesar, Ganthi and Vagol, the field work having been completed last year. The field work does not compare favorably with the turn-out of the preceding two years. The plotting was in progress when the year closed.
- 9. In Raipur Forest Ranger Jagan Nath had a respectable item of work to show. He further surveyed and mapped out 4279 acres in Malani, Lawachan and Kalab-khurd forests. Girri and Pachanpura will be next taken in hand and the survey in these Jagir forests will be complete by the end of next year.
- 10. The experimental Working Plan of Desuri forest referred to in para 7 of last year's report was put in force. It could not be taken in hand till late in the year and 13 acres of Dhaw (A. pendula) working circle were only coppiced to end of March 1899. Forty standards of Dhau per acre were left in addition to the Nim (Melia indica) trees that were allowed and in Marwar must always be allowed to stand unmolested.
- 11. A Plan of operations was as usual prepared and acted up to. The deviations were too few to claim mention.

CHAPTER III.

General protection Breaches of the Law.

- 12. The criminal tribes, with the exception of Minas of Sadhri, Jhumpa, Sewari, Bijapur and Sena, behaved well. The latter (Sena, Sewari &c.) continued obstinate and any thing short of a very strong disposition on part of the local Magistrates would only induce them further to disrespect the Forest Laws.
- 13. Rawats from Kachhabali and Pithan-ka-gudha on the British side gave trouble. They are very favorably situate, with a handy market (Deogurh) before them, just on the border and they were not idle to make the best of their position to pilfer and profit. They were caught red-handed and chalaned to Hakumat for trial but unreasonable leniency shown to them there only rendered them bolder.
- 14. The Grassias of Bhimana and Thandiberi showed some disposition to reconcile and took out permits for the timber cut which they never did before.

្ត / ខ្នុងមន្ត្

- 15. The Honorary Court of Raipur tried 4 cases involving 13 persons. Convictions were obtained in 3 and one remained pending.
- 16. 23 cases involving 45 persons were chalaned to Hakumats and 9 pending from the last year brought the total to 32. Of this 27 cases were disposed of and the rest remained pending.
- 17. 538 cases were compounded departmentally against 263 last year. Of the increase, rather astounding, the new range of Siwana accounts for 76 and a dry famine year for the remainder.

18. The following	llowing table com	pares the result	ts of	the two	vears.
-------------------	-------------------	------------------	-------	---------	--------

		Cas	ses Con	POUNDI	ZD.		Ave	ra	P.O.	Average				
	Range.	Number of cases.	Number of persons.	Amount. Average per case.				er	•	Remarks.				
Sewari	•••	•••	227	661	425	11	G	1	14	0	0	10	3	
Desuri	•••	•••	28	81	86	0	0	3]]	2	1	1	0	
Sojat	•••	•••	100	144	145	7	0	1	5	4	1	0	2	
Siwana	•••	•••	76	120	257	6	0	3	6	2	2	2	4	
	Total	•••	440	1,006	914	9	3	2	1	3	0	14	7	
Raipur	•••	•••	98	126	132	8	3	1	5	8	1	Û	10	
Ghanera	· · · ·	***	•••	•••	•••		•••	***		•••	•••	 		
	Grand total		538	1,132	1,047	1	6	1	15	2	0	14	9	
	1897-98		263	401	508	6	9	1	14	11	1	4	3	

Grass and grazing.

- 19. As before the forests remained closed to camels, sheep and goats arough-out the year and open to horned cattle from 1st April to end of July and again from 16th October to end of the year.
- 20. The revenue work of the Grassia villages remained with the Forest Department, (para 17 of last year's report), and the utility of the step is making itself felt.
- 21. There was very little grass outside the forests and the state cavalry (about 1,500 horse and pony) had their supply of grass from the forest during 6 months amounting approximately to 60,000 maunds.
- 22. As in the last year grass cutting without payment was allowed to cultivators from 15th October to 15th December 1898 and to non-cultivators from 1st November to 15th December 1898. After this period market rates were made to apply. It is satisfactory to note that the limitation of time is gaining favor with the people concerned.

23. The following statement shows the number of cattle grazed in the forests:—

			CATTLE.								
Range.		Right holders.	Outsiders.	Free	Total.	Remarks.					
Sewari		11,795	410	•••••	12,205						
Desuri	•••	4,596	1,384	*****	5,980						
Sojat	•••	6,731	715	•••••	7,446						
Siwana		2,069	379	*****	2,448						
Parbatsar		688		•••••	688						
Raipur	•••	3,887	622	•••••	4,509						
Ghanerao		979	3	171	1,153						
Total	•••	30,745	3,513	171	34,429						
1897-98	•••	19,555	1,104	*****	20,659						
			<u> </u>			 					

24. 8,858 cattle were impounded for illicit grazing against 3,769 during 1897-98, as detailed in the table below:—

		DE	SCRIPTION	OF CATT	LE.				
Range.		Cows.	Buffa- loes.	Sheep and goats.	Others.	Total.	Remarks.		
Sewari	•••	110	10	852	8	980			
Desuri		463	249	1,256	3	1,971			
Sojat		660	71	1,326	65	2,122			
Siwana		194	36	2,841	87	3,158			
Raipur		272	40	149	2	463			
Ghanerao		97	1	56	10	164			
Total		1,796	407	6,480	175	8,858			
1897-98	•••	1,000	194	2,454	121	3,769			

Forest fires.

- 25. Cutting of trees and shrubs out of the main fire line between Marwar and Meywar was continued and Rs-123/ spent over the work.
- 26. As stated before the Sirohi Forest officer and the Mirpur Jagirdar in Meywar did not again co-operate and thus a length of 11 miles only could be gone over. Their forests adjoin the Marwar forests and prove no small source of danger whenever on fire.
- 27. The main and intermediate fire lines were as usual cut and burnt.
- 28. The rains held off abnormally and in consequence very little grass came up. This very little was, the fodder being so scarce, in its turn soon taken away to the last blade by the rightholders and purchasers. The country had then the fallen leaves in the forests, locally called Khaka, to fall upon. Before the fire season set in the forests were swept clean of every influmble material, grass and leaves, and the forests remained, through this natural state of affairs, entirely safe. Only 4 acres as against 2579 last year, were burnt in Godhwar Range. The fire was mere accidental and the offender was allowed to compensate for it.

Natural Reproduction.

29. The year under report proved extremely unfavorable for natural reproduction, owing to the absence of rains. Not only there was no natural regeneration but seedlings of the previous years that were fast establishing themselves died down for want of moisture.

As stated in para 10 coppice work in Desuri forest was stated as the work did not much progress to close of the year the result will be given later on.

30. The following table will show the results of the areas coppiedd previously.

Godhwar Range.

		L.	G.
	ſ Kantia	, Dhao 6'	1½"
Sadhri	Khair	9'	4"
	Kumat	ia 6'	1"
	(Dhao	12.4'	3.9"
	Dhao Khair	11.5'	3 · 3"
Behra	··· {Seris}	11.7'	3"
	(Gol	12	4.5"

Sojat Range

Gudha Dhamata Kantia Dhao	15`	10"
Khair	16'	7"
Gol	20'	12"

31. In Raipur forest 70 acres in Kalap Kalan 44.5 in Majhola and 50 in Lawachan were decided to be coppied by contract. Of this 70 acres in Kalap Kalan could only be coppied and 150 camel loads of fuel were sold at 13/ per camel. But the demand in fuel soon fell off and the rest of outturn had to be made into coal and sold at 1/6 per maund. Rs-606/ were realized from as much area last year against Rs-319/ this year and in future fuel only will be sold and coal making disallowed.

32. The coppice shoots measure as follows:-

Kanuja fo in 18	rest cop 94-95.	piced			alan forest o n 1895-96.	oppice	ā
		L.	g.			L.	g.
Kantia dhao	•••	51° 73° 7°	1"1 2"1 3'	Kantia dhao	•••	4 <u>\</u>	1"1
Kalia Siris	•••	7§`	្ច"រ៉ៃ	Kalia Siris	•••	5′₹	2″ຶ້
Gol	•••	7~	3`~	Gol		8,₹	2" <u>I</u>
Khair		51`	2" <u>1</u> 2"	Khair	•••	5′	2".2
Nim	•••	5]` 7]``	2"	Nim		5 ′	2"² 2"
	5-96.	2			1896-97.	-	_
Dhau	•••	31,	1"	Dhau	***	3′	0
Kalia Siris	***	3½` 5`	2"	Kalia Siris	•••	3'1	Õ
Gol	•••	41	2"1	Gol		6' ไ	ő
Khair	•••	4 1° 4°	2"\ 1^\frac{1}{2}	Khair		4\ ²	Ő
Nim ·	•••	5`	2"2	Nim	***	3`	ő
	96-97.	•	-	-1,2416	1897-98.	•	U
Dhau	•••	$2\frac{1}{2}$	0	Dhau	1001-50.	2.'3"	0
Khlia Siris	•••	4,3	Ö	Khlia Siris	•••	2′	ő
Gol		4'	ŏ	Gol	•••	5'	ŏ
Khair	•••	3,	ŏ	Khair	****	2′9"	0
Nim	•••	3 j,	ŏ	Nim ·	•••	3.6"	ő
	97-98.	02	v	141111	***	9.0	U
Dhau	*	3,	0				
Kalia Siris	•••	4`	ő				
Gol	•••	5·6 '	ŏ				
Khair	•••	3.3,	0				
Nim	•••	4·3`	0				

Artificial Reproduction.

Godhwar Range.

33. The well-holders showed no propensity to take mango plants and the nursery at Nagar was in September given up. Of the plants then in nursery 612 were put out along certain fields where they could occasionally be watered.

- Of this 197 survived to end of the year only to fall prey to the present drought. Teak, babul and other seeds were sown into nurseries at Sewari and in forests as well only to be lost to the ground.
- 34. 920 bamboo rhizomes in Behra and 1000 in Sewari forests were planted. They did well for a while but soon died.

Desuri Range.

35. Babul and Sisso seeds were sown in pits in Somesar and Kot forests. They germinated well but died soon for want of moisture.

Sojat Range.

36. 10 acres of blank in Badagudha and as many in Deodungri forests were sown with babul seed. The germination was good but their death for want of moisture was as certain.

Raipur Range.

37. 5 acres in Kanuja and Girri were sown with Dhak, babul &c. The seed did not germinate at all.

Ghanerao.

38. The old plantation and nursery at Kaka-ji-ki-baori were kept up. The plants Mohwa, Mango and Jaman &c are artificially watered from a well and were in good state. No new plants were put out.

Roads and Buildings.

ROADS.

- 39. Godhwar Range.—A new bridle path 51 miles long was laid out in the Bijapur forest at a cost of Rs. 188/0/6.
- 40. The roads and paths in Nana and Behra forests were repaired at a cost of Rs. 8/0 and Rs. 4/5/0 respectively.
- 41. Desuri Range.—No new roads or paths were laid out. The old roads were repaired and kept in good order.
- 42. Sojat Range.—A new cart road from Gudha Dhamatan to Kajalwas, started last year, was completed at a cost of Rs. 119/14/6. It is 129 chains long.
- 43. The cart track from Saran to Bayar was repaired at a cost of Rs. 13/15/0.
- 44. The construction of the Rughna-ghati bridle path from Khoria to Khejri-ka-bala-ki-gawar was taken in hand. 120 chains of it were gone over at an expenditure of Rs. 42/7.

- 45. Raipur Range.—Two small foot paths 1½ mile long were laid out anew in Kalap Kalan forests as also repairs were done to the old ones. The cost was Rs. 23/0.
- 46. The bridle path in Majhola forest that remained unfinished last year was taken in hand and ½ mile of it prepared at a cost of Rs. 98/0 inclusive of cost of repairs to other paths.

Ghanerao.

47. The old cart track in the Nal was repaired at a cost of Rs. 1/8.

Buildings.

- 48. Godhwar Range.—A new forest chauki was erected at Bhimana and Rs. 10/13/9 spent over it.
- 49. The Bijapur forest chauki was extended by the addition of a room at an expense of Rs. 25/15/0.
- 50. At Nana a forest chauki was erected at an expense of Rs. 96/13/9.
- 51. Behra, Sewari and Sadhri chaukis were repaired and Rs. 20/6/6 spent on the work.
- 52. Desuri Range.—One forest guard's hut was built at Ganthi and another at Bansore at a cost of Rs. 10/0 and Rs. 11/10/ respectively.
 - 53. A forest chauki was built at Vagol for Rs. 52/10/2.
- 54. The forest office at Desuri was extended and Rs. 24/ spent over the work.
- 55. Sojat Range.—The forest house at Saran was extended by the addition of an office room at a cost of Rs. 54/4/6.
- 56. The forest chaukis at Shiryari, Badagudha and Phulad were repaired and kept in good order at a cost of Rs. 12/10/6.

CHAPTER IV.

Yield and Working.

57. The total outturn of timber and fuel expressed in cubic feet compares with that of the previous year as follows:—

The summary of produce removed from the forest.

-			Tim	BER.	Fo	Jel.	
Description.			1897-98.	1898-99.	1897-98.	1898-99.	Remarks.
Removed by	y Raj Agency	•••	2,675	1,642	22,372	25,552	
" "	Purchasers	•••	42,846	40,981	95,919	1,59,247	•
. " "	Right holders	•••	34,264	28,497	2,66,060	2,46,496	
; ;	Free grants	•••	•••••	*****	•••••	•••••	
	Total	•••	79,785	71,120	3,84,351	4,31,295	
Raipur	•••	•••	******	4,142	******	1,41,624	
Ghanerao	•••	•••	••••	3,364	•••••	7,120	
	Grand total	•••	79,785	78,626	3,84,351	5,80,039	

58. The comparative value of minor produce removed during the year under report and that of the previous one is as follows:—

	\\	LUE.	
Description.	1897-98.	1898-99.	Remarks.
Removed by Raj Agency	915	595	
" " Purchasers …	2,765	4,260	
" " Right holders …	7,315	8,810	
" " Free grants …		•••••	
Total	10,995	13,674	
Raipur		3,086	
Ghanerao		551	
Grand total	10,995	17,311	

59. The removal of timber, as was anticipated decreased and that of fuel, except in case of right holders, increased. It was a famine year and the prospects of trade in timber were very much obscured. The timber did not find a ready sale and traders began soon to withdraw their capital to other more promising branches of trade. The Department also curtailed its working.

I. Departmental operations.

60. The outturn of timber by Raj Agency fell from 2675 to 1642 owing mainly to want of a ready market.

- 61. The outturn of fuel was increased by about 3180 cubic feet. 3695 maunds of fuel were collected from Nana forest and this added on to the last year's balance brought the total to 4580. Of this 4260 maunds were supplied to the central Jail at Jodhpur
- 62. 202 maunds of charcoal were prepared in Nana forest. Of this 153 maunds were sent to the mint at Jodhpur and the balance sold locally.
- 63. 3000 bamboos were cut from Nana forest and sent to the sale Depot at Pali, and 612 from Desuri Forest were utilized for the state garden there.
- 64. The value of minor produce amounted to Rs. 993/agaidst 353/during the last year. The increase was due to sale of about 1,800 maunds of grass to the state cavalry (Sirdar Risala).

II. Removals by purchasers.

- 65. As stated in para 59 the removal of timber by purchasers fell down by 1865 cubic feet.
- 66. The outturn of firewood removed by purchasers was greatly enhanced, being 63,328 cubic feet in excess of the total last year. The neighbouring population (chiefly agricultural people) found no crops comming up and had to decide upon some means of sustenance. Collecting fuel from forests and selling it to the population removed away from forests was the easiest at their command. They therefore very eagerly took to it and brought in the said increase.
 - 67. 957 maunds of charcoal were also prepared by the purchasers.
- 68. 40,225 bamboos were removed by the purchasers againt 49,272 during the last year. There is thus a decrease of 9,047.
- 69. Rs. 2,118 were realized by sale of grass and grazing against 618/last year. There was very little grass to be found elsewhere and the cattle flocked into the forest and caused the increase.
- 70. Under minor produce Rs. 1,326 were realized as against Rs. 1,007 last year. The increase was due to the opening of Siwana and Parbatsar Ranges.

III. Free grants and removal by right holders.

- 71. No free grants were made during the year under report, but produce given free to right holders is treated under the head of right holders.
 - 72. The right holders removed produce as follow:—

(a) TIMBER.

73.	A class free of charge	24,476	cft.
	B. and C. classes at reduced rates	4,021	**
	Total	28,497	22

(b) Firewood.

74. A, and B. classes free of charge
C. class at reduced rates
77,937
Total ... 2,46,496

(c) BAUBOOS.

75. A class free of charge ... 100
B. and C. classes at reduced rates ... 864
Total ... 964

(d)

I. GRASS AND GRAZING.

76. A. and B. classes free of charge 9,014 Mds.
C. class at reduced rates ... 35,413 ,,

Total ... 44,427

II. GRAZING.

77. A. class free of charge ... 6,604 Hd. of cattle.
B. and C. classes at reduced rates 19,275 ,,

Total ... 25,879

(c) Mohya and Kamri.

78. A. class free of charge ... 5,237 Hd. load.
B. and C. classes at reduced rates 3,590 ,,

Total ... 8,827

CHAPTER V.

Financial results.

- 71. The actual revenue was Rs. 28,643/- i. e. 5,728/- more than the previous year. The net surplus was Rs. 7,718/- against Rs. 3,481 of 1897-98.
- 80. The expenditure rose to Rs. 20,925/- against Rs. 20,434 during 1897-98 owing to the opening of Siwana and Parbatsar Ranges.
- 81. The receipts and charges for the last 3 years compare as follows:—

Particulars.		1896-97.	1897-98.	1898-99.	Remarks.
Receipts		22,333	23,915	28,643	
Charges	•••	19,158	20,434	20,925	
Surplus	••• ,	3,175	3,481	7,718	

82.	The finar	cial resu	lts of the Jagir	forests	stand as follows:
Rai	pur		1897-98.		1898-99.
ß	leceipts	•••	2,300-0-0	•••	4,444-0-0
E	Expenses	•••	1,524-0-0		1,5410-0
S	urplus	•••	776-0-0	•••	2,903—0—0
Ghe	anerao.				
F	Receipts	•••	698-0-0	•••	834-0-0
1	Expenses		356-0-0	•••	358-0-0
S	Surplus	•••	342-0-0	•••	476-0-0
Bas	r.				
F	Receipts	•••	61-0-0	•••	273-0-0
	Expenses	***	43-0-0		55-0-0
8	Surplus	•••	18-0-0	•••	218-0-0
Rad	rantia.				
Du	anna.				
I	Receipts	•••	79—0—0	•••	164-0-0
]	Expenses		63-0-0	•••	68—0—0
Š	Surplus	•••	16—0—0	•••	9600
Ba	bra				
I	Receipts		38-0-0	•••	303-0-0
	Expenses	•••	61-0-0		77—0—0
	Surplus	•••	23-0-0	•••	226-0-0
Son	nel.				
	Receipts	•••	523-0-0	•••	530—6—6
	Expenses	•••	90-0-0	•	66-2-0
	Surplus	•••	433-0-0	•••	464-4-6
					·

CHAPTER VI.

Village Fuel and Fodder Reserves.

83. The formation of village Fuel and Fodder Reserves was continued and 1,310 acres in Khamal, Sodawas, Bomadra, Miniari and Bálá were taken up. On the other hand the reserve in Panchwa khurd amounting to 689 Bighas was given up, as it was situate just near the village and proved, in a way, inconvenient to the villagers.

84. The following are the details of the areas under treatment at close of the year:—

Names				Area in bighas
Bambholai	•••	•••	•••	1,800
Sampa	•••	•••	•••	554
Sowania	•••	•••	***	437
Deoli	***	•••	•••	1,400
Udesi kuwa	•••	•••	•••	1,329
Khamal	***	***	•••	295
Sodawas	••	•••	•••	783
Bomadra	•••	•••	•••	464 1
Miniari	•••	•••	•••	1303
Bala	•••	•••	•••	1136
Hemliawas	•••	•••	•••	150
Barsan	•••	•••	•••	100
Gudha Bishn		•••	•••	1,000

- 85. Sowings were made in all the Reserves old and new but with no good results. The rains held off and the seed in some places did not germinate at all and in others died soon after germination.
- 86. In Hemliawas Reserve of the 2,324 plants of the last year many died down through want of moisture.
 - 87. Barsan lost similarly and so did Nayagaon and others.
- 88. In Murdawa Reserve 90 acres were coppied in the years before and the coppies shoots, though thrown back in growth, were doing well.
- 89. Famine as a famine was really much to be deplored and the country may, so grant Almighty, be spared the dire scourage. It however created a chance for the utility of these Reserves to be practically realized. The Reserves of Deoli, Mourdawa, Udesi kuwa and Bambholai did a good service to the agricultural population concerned. They had an abundance of grass and they were thrown open to the grazing of the surrounding cattle just when the pinch of fodder famine began to be felt. The people were thus through the help of these reserves kept back from migrating in tears to the grassy lands of Malwa. It is very strongly recommended that formation of such reserves should be carried on from year to year.
- 90. The financial results for the Fuel and Fodder reserves stand as follows:—

Revenue.			Expenditure.
Rs. 281—0—0	Establishment	27	Rs. 722—0—0
	Sowing and planting Fencing	"	211-0-0
	Improvement	"	14700
	Miscellaneous	"	129-0-0
	Total	>>	1209-0-0

CHAPTER VII

Arboriculture.

91. No new plantations were formed. The plantations at His Highness's Bungalow were extended and 2,272 plants made up of 297 mangocs, 1,705 Jaman, 172 Nim, 83 Siris, 99 Shishum and 16 miscellaneous were put out as under:—

		•	Total		2,272
Race Course	•••	•••	•	••	351
Polo ground	•••	•••	••	•	160
Behind the Bungalow	•••	***	•		1,211
Plantations Nos. 8 an	d 9	•••	• (•	550

- 92. 64 mangoes and 3 Jamans were planted out at Bera Chensookh and 225 mangoes at Chopasani, 17 mangoes were planted out at the Swiming Bath attached to Thakur Hari Singh's Bungalow.
- 93. 3,139 plants of various species were utilized in making good the failures along roads &c.
- 94. The nursery at Bera Chensookh supplied planting material for Takhatsagar road and contained 225 plants at close of the year.
- 95. The old nursery at Balsamand was kept up and contained 600 Nim, 150 Shishum, 100 Jaman, 75 Siris, 175 Bakain and 50 pomegranates plants.
- 96. The nursery in plantation No. 8 at His Highness's Bungalow had 100 Jaman, 1,500 Nim, 200 Shishum and 150 Siris plants at close of the year.
- 97. Small nurseries were also kept up at Chittar, Plantation No. 7 and Badabhakar.
- §8. 3,106 pits were dug out and 1846 Kacha Golras prepared for the protection of plants. 3,000 cf. of ditch was dug round the nursery at Bera Chensookh.
 - 99. 24,751 plants received no watering while 24,521 did.
- 100. The revenue from arboriculture amounted to Rs 243/ derived chiefly by sale of plants.

The expenditure was as follows:-

			Actual for	A	ctual for	Sanctioned	
			97-98.		98-99.	for 98-99.	
Protective	Establishment	٠	1,215		1,270	1,248	
Office	Do.	•••	180	•••	180	180	
Watering	Ďо.	•••	7 740	•••	9,621	11,131	
Malis	Do.	• 4	52,999	•••	3,494	3,750	

Working of wells	• • • •	679	•••	. 563	•••	٢
Feed and keep of bullocks	•••	2,099	•••	. 563 1,619	•••	1,550
Nurseries and planting	•••	297	•••	432		. 553
Fencing	•••	1,165	•••	2,284	•••	2,130
Tools	•••	9	•••	15	•••	•••
Badabhakar	•••	1,351	•••	182	•••	215
Chhettar	•••	6	•••	0	•••	0
Miscellaneous	•••	1,036	•••	882	•••	856
Total	•••	18,776	•••	20,542	•••	21,613

CHAPTER VIII.

Gardens.

- 102. Nanna Mian's garden and the Raj Bagecha at Jodhpur and the Sadri Bund Garden at Sadri were added to the charge of the department during the year.
- 103. The Residency and other bungalow gardens were looked after as usual and kept in good order.
- 104. The Ratanada Garden and the nursery there were kept up and the latter contained 600 mango and 1900 Jaman plants at close of the year.
- 105. The Nanna Mian's garden had about 700 graft Zyzphus plants in addition to the flowering plants.
- 106. The Desuri Palace gardens were looked after by the Ranger there. The rains held off, and very little could be done to improve them.
- 107. The Sadri Bund garden has about 700 fine graft mangoes. A nursery was started there further to stock and improve it. Unfortunately rains held off and nothing could be done.
- 108. At Sewari an area about 2.5 Bighas was sown with Indian and English Vegetables for supply of Musahib Ala's Camp. The camp was subsequently broken up and the vegetables sent to him at Jodhpur.
- 109. As stated in para. 120 of last year's report cavalry horse continued to be supplied with lucerne grass.
- 110. The Balsamand, Mandore and Takhtsagar Darogas remained as irregular as last year and their work thus could not be included in the report.
- 111. The financial results of the gardens, excepting the above three, were as follows:—

Revenue. Expenditure. 187-0-0 ... 10,061-0-0

CHAPTER IX.

General.

- 112. Two Jamiat Sowars of the Kot Jagirdar remained with this department only just to break the monotony of "entire absence." As stated in para 123 of last year's report, the Hakumats were ordered to supply the necessary Sowars but they never did and mercenary Sowars had to be employed as before.
- 113. Pandit Gokal Das remained in charge of the department till 11th February, when he got a lift and left for good to join the Forest Service Panjab, handing over charge to the writer and carrying with him the good wishes and regards of all that had an opportunity to work under him.
- 114. Forest Ranger Rakheshwar remained in charge of the Desuri Range throughout the year.
- 115. Forest Ranger Gokal Chand held charge of Godwar Range and supervised the revenue work of the Grassia villages.
- 116. Forest Ranger Dowlat Ram was transferred to the newly created Siwana Range, Ranger Chatar Bhuj taking his place in Sojat Range. Chater Bhuj seems inclined to justify the hopes the late Superintendent placed in him.
- 117. Ranger Jugan Nath held charge of the Raipur Range. He has surveyed almost all the Raipur forests and has an excellent work to show.
 - 118. The office establishment worked satisfactorily.
 - 119. The following forms are hereto attached:-

Form	***	•••	•••	•••	No.	49
"	•••	•••	•••	•••	"	50
"	•••	4+4	•••	•••	"	51
27	•••	***	•••	•••	"	54
33	***	***	•••	•••	77	55
٠,,	•••	***	•••		37	56
11	•••	•••	***	•••	"	58
**	•••	•••	•••	•••	"	59
"	•••	•••	•	•••	27	60
"	•••	•••	***	•••	77	61
2)	***	•;•	***	•••	77	62

ANNUAL FORM No. 49.
Forest Department Marwar. Area of Forest 1898-99.

				1	1		,			•									
REMARES.		<u> </u>	miles are re-		Fnela	Fodder Re-	serves.										-		
Number and date of kafeyat of	transfer.	•	Parcha No. 207	dated 21st July	1898.														
Area on 1st April 1899. Equiva-	lent in square miles.	194.11	ှ ်	13.	5-12	1.50	1.50	. 75	· .		,	00.71						34	335.48
	Acres.	1,24,230	8,840	8,320	8,277	096	096	480	1,920		ì	092'						21,760	2,14,707
Excluded or trans- ferred to	other heads.	:		:	:	:		-	:::									:	
Added during	the year.	:	3,840	:	:	:	:	:	:			:::	سعه پ					21,760	25,600
Area on 1sr April 1898. Equiva-	lent in square miles.	194.11	3 :		5.12	1.20	1.50	.75			,	09.11						:	295.48
Апва	Acres.	1,24,230	41,000	8,320	3,277	096	096	480	1,920		1	7,360						:	1,89,107
Range.		Godhwar	Siwana	Raipur	Ghanerao	Barantia	Babra	Bar	Sumel	Pi, Basi, Banwal, Maya-	pur, Kalyatra, and	Bidiad	Mokalsar, Kamnia,	Mawri, Gungrot, Go-	Nal Sener Kundal	Sala Januar Manai	Dhiran, Telwara and	Bhagwan	Total
State.			- Tanansa								Jagir							<u>ب</u>	
-		-			-	•	H	A	<u>~</u>	H.		W					ب.		

ARINUAL FORM INO. 50.

Forest Department, Marwar State. Register of Breaches of Forest Rules during 1898-99.

4s	ending f the ye	Cases p		2	<u>:</u>	-1	5 5		661	-:-	:	: 0	::	:	- :- 6		٠ م
TEAR	Total.	Per-				:							1,006	<u> </u>	139	139	1,180
G TH		Rona.				:	27	ļ !	227	~ ~	100	~	440		102	102	569
DRIN	Acquit- tals.	-194	18			:	12.		<u>:</u>	:	: 	<u>:</u>	<u> :</u>	:	:	:	7.2
OH D	ļ	Cases.	18		41	:	23		:	:	:	:	:	:	:	:	23
DISPOSED OF DURING THE YEAR.	Convictions	Per- sons.	:	က (x	:	11		661	81	144	120	1,006	:	139	139	1,156
Ā	Con	Cases.	:	 (:	4		252	25 25	109	92	440	:	102	102	546
		Total c	20	₩ I	· •	7	32		227				140	:	102	102	129
	3air	n Lotal n ses du the ye	133	c)	2		23		227				440	:	102	102	565
AB.	l səəuəy	Officer o	:	,	33	:	4		27	က	:	5	35	:	:	:	39
SES OF THE YEAR.	Unautho-Grazing with-	or in truct in which grazing is prohibited.	1	•	•	••••	1		106	ıC	11	71	193		21	21	215
NEW CASES OF	Unautho- rized felling orappropria-	Lejury by tion of wood and minor in produce.	12	H	4	7	18		91	19	26	:	207	:	81	81	306
I	-0 H 0	Lujurd	:	;	:	:	:		က	H	-	:	73	:	:	:	ಸ
mor	nding f	Cases pe	4	63	:	:	6		:	:	:	:	:	:	:	:	6
	Forest Range and Civil			Godhwar Desuri	Sojat	Siwana	Total	BCases compounded by Forest	Sewari Sewari	Gounger Desuri	Nojat	Siwana	Total	Raipur	Ghanerao	Total Jagir Ranges	Grand Total

ANNUAL FORM NO. 51.

Forest Department, Marwar State. Area of Foret travts protected from fire during the dry season of 1899.

		Remarks.				΄,	,						
S at A acres of 1033.	Cont	during R the season.	131	138	910	Rs. 21			-			41	393
f m and f	N 1899.	Actually protected.	1,13,596	41,600	1.69.666	8,320	4,320	7,360			21.760	45,037	2,14,703
	DURING DRY SEASON 1899.	Failures.	4		4		•	:			:	:	4
	DURIN	Area attempted to be protected		41,600	1,69,670	8,320	4,320	7,360	•		21,760	45,037	2,14,707
	Area .	protected up to 15th June 1898.	1,13,415	41,570	1,65,603	7,665	4,320	7,360				20,925	1,86,528
	Year in	which protection commenced	1891			1894 1895	1896	1897			1898		
		Forest tracts.	Sewari block Desuri	Kantalia " Siwana "	Total	Kaipur Ghanerao Bar, Barantia. Babra	and sumel Pi, Basi, Banwal,	and Bidiad Mokalsar, Ramnia,	Golia, Piploon, Gudha Nal, Sener,	Kundal, Sela, Gan- pur, Mangi, Dhiran, Telwarn, and Rhag	Wan	Total	Grand Lotal
	,		·:	:	-	:::	:	:					
		Range.	Godhwar	Sojat		Kaipur Ghanerao Jaitaran	Parbatsar	Siwana					
			rslar.	KP	•			GIE	A T				

(20)

ANNUAL FORM NO. 54.

eploitation.
of ea
lo his
den
d Age
9 an
68-
898
Ir I
e year
the
uring the year
du
fuel
nd j
r a
) of timber and
of to
did)
soli
eet
Sic J
urn (in cubic
(in
urn
Jutt
tate
₹ Ø
rwa
Ma
ent,
rtm
epa
St D
ores
E.

	•		•				_			_	
	TOTAL.	3,16,520	76,994	97,022	7,831	4,048	5,02,415	1,45,766	10,484	1,56,250	6,58,665
	Total.	2,75,860	000'89	75,847	7,540	4,048	4,31,295	1,41,624	7,120	1,48,744	5,80,039
	sroblod tdgiH	1,55,080	28,700	55,176	7,540	:	2,46,496	32,160	5,320-	37,480	2,83,976
Fure.	вјивлу воли	:	:	:	:	:	:	:	:	:	:
F4	Purchasers.	1,01,068	33,460	20,671		4,048	1,50,247	99,464	1,800	1,01,264	2,60,511
	Rej Agency.	19,712	5,840	:	:	:	25,552	10,000	:	10,000	35,552
i i	Total.				:	:		<u> </u>	<u>:</u>	<u> : </u>	
ITY)	Right holders.								:] :	<u> </u>
Miscelland- ous.	Raj Agency. Purchasers. Iree grants.										
	Total.	:	:	_;							1
SAWN OR RQUARED TIMBER,	Right holders.		:	_:			:	:	<u>:</u>	:	<u>:</u> <u>:</u>
VA B	Free grants.	-:			:		:		:	<u> </u>	<u> : </u>
ЗАWИ О ВОЛАНП ТІМВЕВ,	Purchasers.						_:_				
U2 W	Kaj Ageney.				:	<u>: 1</u>	<u>:]</u>				
LES.	Total.	40,660	8,994	21,175	291	:	71120	4,142	3,304	7,506	78,626
ROUGH POLES.	Right holders,	15,794	3,291	9,412	:	:	28,407	2,601	2,703	5,304	33,801
THE	Free grants.	:	:	:	:	:]	_:	:	:	:	:
Тімввв ім тнв	Ратсћазетв.	24,841	5,220	10,620	201	:	40,981	1,541	661	2,202	43,183
I	Raj Agency.	25	474	1,143	:	:	1,642	:	:	:	1,642
N H	Total.		:		:	: 1	: 1	:	:		
Tinder in tee rough Logs.	Right holders.	:				: [: 1		: [: [
MEBER E ROU LOGS.	Free grants.	:	:	_:	:	<u>: I</u>	:		:		
TEN TEN	Purchasers.	:	<u>:</u>	:		: 1		:	: :	- <u>:</u> -:	
	Rel Agency.	<u>:</u>	<u> </u>			: 1	<u>: </u>	:	<u> </u>	<u>اٺ </u>	اــــِــا
	Ronge.	Sewari block	Desuri	Sojat	Siwana	Parbatsar	Total	Raipur	Ghanearo	Total	Grand Total
	}	-db-	G.								

ANNUAL FORM NO. 55.

Forest Department, Marwar State. Outturn of Minor produce during the year 1898-99.

	Remarks.	By contract. By contract.	
AL.	Valae.	570 113 2,030 142 142 383 383 201 193 373 145 1,851 208 16 208 16 208 208	9,626
TOTAL.	Quantity.	17,550 1,480 31,471 12,205 2,784 4,236 	5,810 1,26,971
OLDERS.	Уајпе.	13 1,728 1,887 60 344 1187 187 184 1,195 83	5,810
RIGHT-HOLDERS	.Quantity.	964 19,593 11,795 1,472 3,818 14,715 14,515 4,596 1,028	61,747
Free grants.	Valae.		:
Free G	. Quantity.		:
Agers.	Value,	317 302 339 339 302 301 103 10 31 10 31 10 111 111 111	3,254
Purchasers.	.Kitinang	13,536 11,878 410 1,312 418 26,953 1,880 1,384 1,410	60,680
J Agenor.	Value.	240 1113 114 145 114 114	562
RAJ AG	.chitanap	3,050 451	4,544
	Description of produce.	Bamboos Grass (maunds) ,, (cart loads) ,, (Head loads) Grazing (cattle) Mohya (Head loads) Kamri Honey and wax Skin Miscellaneous Bamboos Grass (mands) ,, (Read loads) ,, (Read loads) Kamri (Head loads) ,, (Head loads) Kamri (Head loads) Mohya (Head loads) Miscellaneous	Total Carried over
	Range,	GODHWAR. GODHWAR. GODHWAR. Desuri	

ANNUAL FORM NO. 55.- (Continued.)

Forest Department, Marwar State. Outturn of Minor produce during the year 1898-99.

	Remarks.					By contract.						
AL.	Уајпе.	9,626	17	454	1,729	63 270	102	583 1 54	63 11	18		13,674
TOTAL.	Quantity.	1,26,971	736	1,816	7,446	5,045	756	2,448 108 14	50 G	199		8,810 1,57,193
OLDERS.	Value.	5,810		454	1,419	, c ₂	175	433 50	915			8,810
Віснт-погравя	. Quantity.	61,747		1,816	6,731 2,558	144	700	100	889	8 :		80,624
Free grants.	Value,	:	:	: :	: : :	::	::	: : :	:	::		:
FREE C	.vditaang	:	:	•	: : :	::	::	:::	:	::		:
Purchasers.	Valae.	3,354	17	06	310 135	27.7	4.00	241	61	18		4,269
Ровс	Quantity.	60,680	736	1 989	1,015	5,801	20 to 10 to	178	2 4	192		71,875
ENOY.	Уајпе.	562	30	:	: : :	::	eo :	:::	:	: :		505
RAJ AGENOY.	.tdidaanQ	4,544	150									4,694
	e e	:	: :	:	:::	::	::	:::	:	: :		:
	Description of produce.	Total Brought forward	Bamboos	" (cart loads)	Grazing (cattle) Kamri (Head loads)	Honey and wax Miscellaneous	Grass (cart loads) "" (Head loads)	Grazing (cattle) Pala (cart loads) " (Head loads)	Grass (Head loads) Grazing (cattle)	Miscellaneous	-	Total
			<u> </u>		` <u> </u>		-	:		<u> </u>		
	Range.			i	Sojat			STARTICE.	Parbatsar			

040 1,90,1 17,1 17,1 18,0 18,0 18,0 18,0 18,0 18,0 18,0 18	3,637	17,311
23,465 4,500 105 2,846 3,897 1,153 1,153 1,049	58,348	2,15,541
623 1,620 1,620 . 7 . 111 205 43 141 . 51 25 202 202 202 203 203 203 203 203 203 203	3,139	. 11,949
22,817 3,887 3,887 1,234 8,897 1,996 13,411 606 970 970 828	54,997	1,35,621
: : : : : : : : : : : : : : : : : : : :	89	89
11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	302	392
28 11:: 8 23 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	401	4,670
600 10 622 1,612 3	2,911	74,786
œ : : : : : : : : : : : : : : : : : : :	80	603
89	48	4,742
	:	:
Grass (Head loads) "" (cart loads) Grazing (cattle) ' Pala (cart) " (Head loads) Honey and wax Kamri (Head loads) Miscellaneous Grass (cart loads) ", (Head loads) Kamri Grazing (cattle) Mohya (Head loads) Pala (Head loads) Miscellaneous	Total	Grand Total
Raipur Glanerao		

Annual form no. 56.

Forest Department, Marwar State. Account of Timber and other produce cut or collected by Raj Agency and brought to sale Depots or sold locally during the year 1898-99.

	, V	il.	Total of Each nead.	L OF EAOH HEAD.		l)		Total of Each HBAD.	, EACE D.
Particulars,	quantity.	feet,	No. or quantity.	Cubic fect.	Particulars.	gaantity.	feet.	No. or quantity.	Cubic feet.
			TIM	TIM BER,					
Balance at commencement of the year. GODHWAR RANGE.					Disposals. I. Truedisposal removed by purchasers.		•		
Singri khair	40				SEWARI RANGE.			. 	
uppp "	16				Thapa	33			
Faga	2.7				:: end of	001			
Danda	2 5				Congar	17			
•	200				Training and the second	 '	-		
Transfer of the second	25.0				ment in the man in the	- -			
mayar knair	2 6				Dank J.	m ;			
Siles	33				Peed (that	10 10		•	
Tue	15.0				SOJAT RANGE			Fo.T	
: :	6				Golia	1,200			
Dingar	117		 ,		Ins	47			
Kani ahaa	9				iii wido	43	_		
Kani Knair	<u> </u>				Dingar Dingar	3,356	_		
Talan Dalar	. a.				Feed dhan	61			
mayar anan	4				Danda	1,366			
The state of the s					Mural	ct :			
Bank Annuir					Thobli				
Branch	22.7				Kani	F1 ;			
··· nogram	_	•			Beola	27		690'9	
	_		-						

730	6,968	221	7,312	658
2144 2124 412 20744 20744 2086) & ~ ~ ~ ~ ~	9 91 221	999	68 8
Chokhat	ccount of maged. RI RAN	dhan jöddipur."	Total Total true disposal SEWARL RANGE. Golia	Total cross disposal Balance at close of the year. SEWARI RANGE. Singri khair Paga
1,820	451			1,428
		1,109 25 23 133 3	1 10 10 10 10 10 10 10 10 10 10 10 10 10	& OI 72 84
	Totaling the 94			
Peed Thapa Musal Hal Beola Jura Khil Khair			•	
in in its	Dingar Lath babul Kani dhau ceipts. True receipts-		Chokhat Pagi Dingar Mayal Chobna	Talkhat Upla Lath Gol Balewan Ins

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Marwar State. Accounts of Timber and other produce cut or collected by Raj Agency and brought to sale Depots or sold locally during the year 1898-99.

	•		,							
•	No	Cubic	Toral of HE.	Total of each head.	. :		, ,,		Total of Each Hrad.	F EACH
Particulars.	quantity	feet.	No. or quantity.	Cabie feet.	Particulars.	ilars.	quantity.	feet.	No or quantity.	Cabic feet.
SOJAT RANGE					Danda					
:	1,302				Thekri		20.00			
:	113				Upla	:	<u></u>			
:	ි :				In	:				
:	3,703				Paga	:				
:	216				Dingar	:	_			
:	2,039				Kani dhan	:				
:	**				Mayal	:				
:	12				Golia	:	·			
:	:				Singri dhan	:	·			
:	::		1		Balli	:	_			
:	.:		7,616		" khair	:				
JODHPUR.				\.	Rank	•			<u>.</u> .	
•	63		-	-	Pred	:	15.5			
:	22				Thapa	:		-	***	
:					Maral	:		, -		
:	10				Inl	:	-			
:	80				Brola	:				
:							_			
;	12		1 130					التارين		
									Politica de	
Total true receipts	•		0,103	-	Khil khair		pul pr		87.0	
				-			•			

							1 190	1,420							1711	7,047						
1,109	 	9 es r	111	10	8 6	20	c3 ·	4		102	99	49	347	161	733	- N	0 20	125		000	9 2 10	14
:	::		:::	::	::	:	:	:		;	:	:	:	:	:	:	:	: :			: ;	:
Desuri range.	: :	• • •	:::	::	::	:	:	:	RANGE.	i	:	:	:	:	:	:	:	: :	JODHPUR.		: ;	: :
DESURI Danda		Plank	Pagi Dingar	Musal Chobni	Talkhat Upla	Lath gol		::	SOJAT	Golia	Ins	Upla Diseas	Designe	Feed	Trans	Drugal Maria		Pat	JODI	Пъја	Ber wood	Lath rohan
028	658	0,851	12,122																			
658																						
:	:	:	:					_						_					·········		_	
JODHPUR SUB-RANGE. pla	Total cross receipts	Total receipts	Grand Total																			
JODH Upla																						

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Marwar State. Accounts of Timber and other produce cut or collected by Raj Agency and brought to sale Depots or sold locally during the year 1898-99.

	, ook	1)	Toral c	TOTAL OF BACH HEAD.			, S	Cubic	Total of Each Head.	e Eagn D.
Particulars,	quantity.	feet.	No. or quantity.	Cubic feet.	Partic	Particulars.	quantity.	feet.	No. or quantity.	Cubic feet.
					Kani Lath babul	: 1	255			
					Shisham wood Nim wood Lath Ber	:::		•		
					Baoli Arat	:			307	
			•			Total Balance			4,152	
		•		FIRE	FIRE WOOD.	Grand Total			12,122	
Balance at commencement of the year-		-			Disposal-					
Sewari Range (mds)	1,480		1,480		Sold locally—				,	
Receipts— Total	<u> </u>		1,480		Sewari Range Desuri "	::			5,255	
I True receipts. Received from the forests during the						Total		•	5,266	
year-					Removed by Parchasers from Depot	asers from Depot			231	
Scwari Range (mds)	5,343	•	5,343			Totul			231	

.

	က	5,500		20	20	1,518	143	1,719	7,209	49	115	88	202	115	115	317

Utilized by the Department Desari	Total	Total true disposal	II. Gross disposal.	Sewari Range	Total	Balance at close of the year—Sewnri Range	Joshpur ,,	Total balance	GHAR COAL, Grand Total	Disposal— I. True disposal. Sold locally	isers from Depot	Struck off on account of being damaged	Total truc disposal	Sewari Range	Total cross disposal	Grand Total
									HAR							-
230	2 200	6	20	900	5,789	7,269			Ö			202	202	113	7	
						4									,	
239																
· Jodhpur Range (mds) Desuri	Tofol		Jodhpur Depot	Total cross receipts	Total Receipts	Grand Total		٠		Balance at commencement of the year—I. True Receipts.	Received from forests during the year-	Sewari Range	Total true receipt	 Fol Bossints		

ANNUAL FORM NO. 56.—(Continued.)

Forest Department, Marwar State. Accounts of Timber and other produce cut or collected by Raj Agency and brought to sale Depots or sold locally during the year 1898-99.

	No. or	Cubic	TOTAL HD	TOTAL OF EACH HEAD.	f	No. or	ŀ	Toral of Each HEAD.	F EAOU D.
Particulars.	quantity.	feet.	No. or quantity,	Cubic feet,	L'articulars.	quantity.	feet.	No. or quantity.	Cubic feet.
			B	AMB	BAMBOOS.				
					Disposal.				
Balance at commencement of the year—					True disposal.				
Jodhpur			2,366		Removed by purchasers from the Denot-				
Total			2,366		Jodhpar Sab-Range			1,917	
I. True receipts.		•	_		Total true disposal			1,917	
Removed from forests during the year-Sewati Range			3,000		II. Cross disposal. Sewari Rauge			3,000	
Total true receipts			3,000		Total cross			3,000	
II. Cross Receipts.			3,000		Jodhpur Pali Range			3,000	
Total Receipts	·		000'9	•	Total Balance			3,440	
Grand Total			8,366		Grand Total			8,366	

	024 982 1.196	3,102	496 237 58	007	4,002	549 122 1,080	1,751	5,753
OR PRODUCE.	Disposal— I. Truc disposal. Sold locally— Sewari Range-grass Desuri	:	Department— ye-grass (Mds.) """ """		Total disposal	Balance at commencement of the year—Sewari Range Sojat	Total balance	Grand Total
MINOR	1,528 26 2,270	3,833	451 1,125 100 235	1,920	5,753			
	Balance at commencement of the year— Sewari Range-grass Sojat ", "		Sewari Range-grass (mds.) Desuri ,, ,, (arts) Sojat ,, ,, (mds.)	Total Receipts	Grand Total			

ANNUAL FORM NO. 58.

Forest Department, Marwar State. Summary of Revenue of Marwar Forest during 1898-99.

																(3:	3)																	
		REMARKS.																																			
	\parallel^-]-			0	_		_	_				ಣ			-	<u></u>	<u>ಟ</u>	_	Ŧ	: 0	2	75	t c	5 6	10	9	7	_		92 6	5 7		9		
		aļ.	-		_	Ξ	_	_			ಣ			9			_	41	9	_	Ė	•	Ŋ	 			2 5		0	+	_				-6	-	1 63
		Total.			_	1,919	146	993		,	10,921	1,181	990	6,980	1,821	3	Ė	2;	7.		:	010	2,010	28.643	212	187	375	280	35						305		36,912
		190	-		<u>၁</u>	÷		၁ ၁			<u>-</u>		÷	5 c	٥ د			:	Ξ	_	•	2		0	:		:	-	:	Ļ	_	:		:		_	
		4	-			_	<u>:</u> -			_		÷	•		<u>-</u>			<u>:</u> _	<u>:</u>		:	15	_		:	:	:	:	:	I				•	÷	H	-
	Z.	Sawaina rango.		1			•				9	_	:	4 4					:	;		529		1,096	:	:	:	:	i				:	:	:		:
	늍		-		÷		:	<u>:</u>		_				- 10						_	_	9	ļ	<u>س</u>	:	Ī	<u>:</u>	Ξ	:	Ė	-	:	-	-	: :	+	-
	Parbatsar	range.	-		<u>. </u>		•	<u>-</u>			<u>. </u>			_=		_	_:	_	<u> </u>	_:	:		÷	<u>.</u>		<u>.</u>	<u>:</u>	:	:		_		Ì	÷		ij	:
	Par	r.			:		_			-				18			:			:	:	101		363	:	:	:	:		į	:	:	:	:		1	:
	ge.	.	_	10		-	<u>5</u>		_					00		_	<u>.</u>	<u>س</u>	_	:	÷	<u> </u>	┸.	9	:	:	:		- 	:	:	<u> </u>	:	-	:	+	-
	rar						က									_	<u>:</u>	_	_	<u>:</u>	÷		⊹	-	:	:	_		I	:	Ì	Ï				t	<u> </u>
	Sojat range.			398	:	•	153			2,782	<u></u>	_	1,76	469	Ŧ					:		600	6 9 17	400	:					:	:	:	:				
h	53	1-		~	ے 00	<u>.</u>	11 6	_						ة ة م			3	:	_	:	: 0		٦					:	t	_	:			:	<u>:</u>	<u></u>	
	i ra	-	_	8		_		-			_	_	╼.	-	_		_	:		<u>:</u>	c	_	15					:	Ĺ	Ξ	Ė				÷		-
	Desuri mage.			_					ŀ	1	200	70	10,1	4 5 5 5 5	ร	•	-			:	679		6.211		:	:	:	:		:	:			:	:		
	ge.	1-		8 6				_	6		_			2		Ē		_	_		5	1	9	:	-	:	:	-	╬	:	_	-	-	-	-	_	_
	Sonari range.	-	_					_	_					2		- 6					က	Ţ	15/10	:	:	Ì	İ	İ	İ		_			÷	-	:	-j
	Nari			126] =	2			38.	X	337	618	891	202		53	:		:	:	810	ļ	1,623	:	:	:	:	:		: :	: :	:					7
<u> </u>	<u> </u>				_				9	-	•	o.	Ī								•	ĺ	17,	:	:	:	:							i		:	
			Š	:		:	515		:	:	:	:	:	:	_	:	:	_	:	 :	:		•	:	_ :		-	•	<u>. </u>		_		_	_			-
		İ,	gen				by purchaseı s			•	·	•	•	•			•		:	•	•		:	:	:	:	:	:		-	:	÷	:	:	:	:	
		ء ا	5				purc									produce							Lote	2 !	B .	2 !	20 0	2	otal	Raipur		. با	e .	d		Total	1
ļ.			in it	: :	:				:	:	:	:	:	•		proc						•	7	Condense	70 C		60,00		E T	aipu	nera	e e	antia Zahma	Sume	i		
		4	9		Ī		ests		•	:	:	:	:	:	Duty on foreign Trunber and All	cst	8369		:	:	:		Add Ashoring	3 2	Rora Promis	Fuel and Fodder Posses	Miscellan		Gran	۳,	e P	ŕ		4 02	٠.	Great Grand	
	i	Ę	S			ŗ	Į,								F	Rotonic from shared and misset.	101						4		ځ	٤	Visc		_							<u>ب</u> د ت	1
		17.0	:	:	:	90 t	28								1	100	3						1.2.1	:	2	Č									į	Ë	1
5	;	200	•	•	Grass and other	2	220		:	:	:	:	:	¢		5.	77		Ė	:	:		~	i		and											1
Iead		g p	•	긓		5	5		_		ş	S S		7 744	5	7	1									[on											
Ę		uou.	_	rco			2		9	3	į	0 5	9 3				\$ {		,							1											
Budget Heads.	'	9 2 63		Firewood and charcoal	: }	֓֞֞֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓		:	Firewood and charges		: 5	Other minor produce			F	lian		fure																			
Ħ		duc		and	7				7	į	4	1 2		100	O.O.	ğ		J.C																			1
		'n.	닕.	700	2 6	200		٠.	700		1 6		ana	sts	Į.	o fr		nd f		Other sources																	
	-	the	Ē	Riviloga	2	ther	1	Timber	C\70	Bamboos	ızin	her	11.1	10	6 .4	enu.		63	und	er s																İ	
	\cdot	nd c	F	ຣັ ≃	C	20.0	ner	H	Ξ	Ę	ຮົ	ö	ed a	rom	ā	Eg.	8	Ę.,	Refunds	2																i	
		er a	€:	<u>ુ</u>	3) E	225.21	E	9	ં	E	ું	scal	uc f	5	こ	deon	5	E	હ																	
		I Timber and other produce semoned from the Transaction				II.—Timber and other mothics small stands	or consumers	_		_	. •••	_	III.—Confiscated drift and war f anged	eren	ت	_	Miscellacous	ت	_	ٽ																- 1	
		Ĩ					0						١	7																						1	
	1	7				11.							7	IV.—Revenue from forests not manage of his D.		;	ï																				
																																				I	

ANNUAL FORM NO. 58. - (Continued)

Forest Department, Meric ir Stute. Summery of expenditure of different renges of Maricae Forests during 1898-99.

ANNUAL FORM NO. 58-Continued.

Forest Department Marwar State. Summary of expenditure of different ranges of Marwar Forest during 1898-99.

Budg	Budget Heads.				Direction		Sewari range.		Desurt	<u> </u>	Sojat range.		Parbatsar range.		Siwana range.	Jose 1	Jodhpur range.	Total.	ii]	
B.—ESTA	B.—ESTABLISHMENT.			1		<u> </u>				<u>' </u>										
Superior establishment Executive establishment Protective establishment Office establishment	:::::	:::::	: : : ! :	<u> </u>	3,840	# : 00 # : 32	:85.25 :52.55 :	:000 :	88.0 65.0 106 ::	. <u> </u>	. 136 136 136	.565.	#33 10	; .	.: 10°. 620 :: :	;;;;;; -;oo;;;			10120	
nt nent aent f conve	poliddus oouvi	 by Raj	:::::	:::::	287 99 448	2 : :1-0	289	080	113	0.00		- 1.0 o					<u>:::::</u>	147.05.7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	48003	000 mo G
.50	: : : : : : : : : : : : : : : : : : :	:::::	:::::	; ; ; ; ;	ESSS C	ဝီဗ၁ဝဝ ဝဝ၈ဝဝ	∞ : :°=	000 210. : 0	m :: 05	00.:0 00::0	C :: 00	8	9 : :0 6 9 : :0 6	<u> </u>	#01 : *	3	1	38 <u>5</u> 25	CON -	1 0000
: '	(Total B. Add Fuel and F	Total B. Establishment Total A. Conservancy Add Arboriculture "Bery booris "Bery booris "Bery booris Fuel and Foder Reserves	1 1 1 1 1 1 1	7.97.E	G 2	3,101	10 6	1,907 886 	0	1,634	9 : : : :	984 5		5 8 : : : :	C 63 : : : :		1: :: : : : : : : : : : : : : : : : : :	00 11 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	0 12-12-01-0
			Grand total Ralpur Chanerno Barmeth Barmeth Babra		:::::::	<u> </u>	111111	<u> </u>		<u> </u>	::::::								5511 5511 5510 55 65 66 66 66 66 66 66	
		D E	Great grand total	<u>'</u> :	T:	F	:	1							-	:		61,719	7	<u>-</u>

ANNUAL FORM NO. 59.

Forest Department, Marwar State. Accounts current for the year 1898-59.

- ' '	6.
60 111 111 111 111 111 111 111 111 111 1	
Rs. 59,752 29,710 2,115 54,078 978	1,43,490
<u> </u>	<u></u>
Rs. 20,925 20,542 10,060 1,208 6,747 68	
ind sum-	Total
Expenditure as per annual summary Form No 58. Forest conservancy Arboriculture Gardens Fuel and Fodder Reserves Miscellancous Forest cash Remittances Local. Remittances to treasury Inter departmental transfer Exchange of coin Advances recoverable Balance	Ĥ
7. 0 8 00104 - 4 0 8 10 0 tc	6.
A	1 9
Rs. 161 29,764 60,400 28 130 2,293 50,713	1,43,490
7. 4000 CT	
Rs. 28,643 242 187 280 375 35	
	:
Cash balance Revenue as per annual summary Form No. 58 Forest conservancy Gardens Gardens Wiscellaneous Wiscellaneous Forest cash Remittances Local. Oheques drawn Inter departmental transfer Advances recoverable	taj
Es I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I I Su I	Total
nua nua nua nua nua nua nua nua nua nua	
Cash balance Revenue as per annual sun Form No. 58 Forest conservancy Arboriculture Gardens Fuel and Fodder Reserves Bera baoris Wiscellaneous Forest cash Remittances Lo Oheques drawn Inter divisional transfer Exchange of coin Advances recoverable	
Cash balance Revenue as per Form No. 58 Forest conserva Arboriculture Gardens Fuel and Fodde Bera baoris Miscellaneous Forest cash Ren Cheques drawn Inter departmen Exchange of co	
Cash balance Revenue as pe Form No. 58 Forest conserv Arboriculture Gardens Fuel and Fodd Bera baoris Miscellaneous Forest cash Re Cheques drawi Inter divisiona Inter departme Exchange of c	
Cash bal Revenue Form N Form N Forest co Gardens Wiscella Miscella Evest co Cheques Inter div Exchange	
Ady Kriter Ber Ber Ber Ber Ber Ber Ber Ber Ber B	

ANNUAL FORM NO. 60.

ANNUAL FORM 1898-99.	Revenue received and outstanding on account of theoring J.	
	of the Daniel Control	est Department, Maricar Sinic.

Remarks		800: 10 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	
Balance due to the department	at end of year.	1,678 8 515 8 104 4 120 10 2,629 111 14 0	2,643 11	
Account Janing		14,623 1510 6,246 51 30 6,347 51 30 1,006 30 303 7 3 306 0 5 8 4 4 4 8 4,443 15 3 8 20 7 6 4 4 6 302 11 6 5 30 6 6 5 5 6 6	36,312 3 4	
	Total.	16,302 8 1 6,761 9 9 1,096 7 8 9 1,096 7 8 8 863 7 1 8 525 1011 2 1 15 82,304 4 6 6 1 15 163 11 6 9 163 11 6 9	38,955 14 10	
Value of	other revenue during the year.	15,761 3 4 6,255 3 9 6 6 6 6 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	37,413 12 7	
Outstanding	at commence- ment of the year.		1,542 2 3	
	Particulars.	Forest Conservancy Forest Conservancy	Grand Total	
Forest Department, Martin State	Ronge.	Raipur Ghanerao Barantia Barantia Barantia Sumel		